



ATTORNEY DOCKET NO. 19113.0083U3

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of )  
Dix, Thomas A. ) Group Art Unit: 1642  
Serial No.: 10/043,581 )  
Examiner: Huff, S.  
Filed: January 10, 2002 )  
For: "POSITIVELY CHARGED NON-NATURAL )  
AMINO ACIDS, METHODS OF MAKING )  
THEREOF, AND USE THEREOF IN PEPTIDES" )

**INFORMATION DISCLOSURE STATEMENT SUBMITTED  
IN ACCORDANCE TO THE PROVISIONS OF 37 C.F.R. §1.97(c)**

Commissioner for Patents  
Washington, D.C. 20231

NEEDLE & ROSENBERG, P.C.  
The Candler Building  
127 Peachtree Street, N.E.  
Atlanta, Georgia 30303-1811

May 30, 2002

Sir:

Pursuant to the requirements of 37 C.F.R. §1.56, submitted herewith on the accompany form PTO 1449 is a listing of documents known to the applicants and/or their attorneys. Copies of these documents are enclosed.

The undersigned hereby certifies under 37 C.F.R. § 1.97(e)(1) that each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Information Disclosure Statement.



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Applicant hereby advises the Patent Office of the Applicant's co-pending U.S. patent application number 09/659,665, filed September 11, 2000 (Attorney Docket No. 19113.0083U2). A copy of the application is enclosed.

Consideration of the cited documents and making the same of record in the prosecution of the above-noted application are respectfully requested.

No further fee is believed due pursuant to 37 C.F.R. § 1.97(c)(1). However, the Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.



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CERTIFICATE OF EXPRESS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date shown below.



Lawrence A. Villanueva

05/30/02

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 7-80) PATENT AND TRADEMARK OFFICE  <b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)	ATTORNEY DOCKET NO.: 19113.0083U3		SERIAL NO. 10/043,581
	<b>APPLICANT:</b> Thomas A. Dix		
	<b>FILING DATE:</b> January 10, 2002		<b>GROUP:</b> 1642

**U.S. PATENT DOCUMENTS**

EXAMINER INITIALS	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
B1	5,494,898	02/27/96	Cheng et al.			

**FOREIGN PATENT DOCUMENTS**

B2 ✓	DE 19933701 A1 ✓	01/25/01	Wilhelm et al. (Germany)			
B3	WO 98/48826 ✓	11/05/98	Silverman et al. (PCT)			
B4	WO 94/28921 ✓	12/22/94	Jaynes et al. (PCT)			
B5	WO 94/25477 ✓	11/10/94	Nielsen et al. (PCT)			
B6	EP 0498941 A2	08/19/92	Cheng et al. (Europe)			
B7	WO 89/01944	03/09/89	Folkers et al. (PCT)			
B8	DE 3327873 A1	02/09/84	Fujii et al. (Germany)			

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

B9	Chebotareva et al. Lipoic Acid (6,8-Dithiooctanic Acid) - (II) Synthesis of Benzhydrylammonium Salts of DL-, Alpha.-Lipoyl-L-Phenylalanine, -L-Methionine, and -L-Valine. <i>Chemical Abstracts Service, Database Accession No. CA62:7859a/AN, CAOLD, XP002194817, 62(7) (1965)</i>
B10	Havinga and Schattenkerk. Studies on Polypeptides—V <sup>1</sup> : Properties of the Arginyl Residue of Des-Asp <sup>1</sup> -Ile <sup>5</sup> -Angiotensin II Essential to Pressor Activity. <i>Tetrahedron</i> , 8(Part I):313-319 (1966)
B11	Hempel and Lange. Synthese Tritium-markierter, N-methylierter Lysine. <i>Hoppe-Seyler's Z. Physiol. Chem.</i> , 350:867-876 (1969)
B12	Kataoka. N <sup>ω</sup> -Dimethyl- or N <sup>ω</sup> -trimethyl-2, ω-diaminocarboxylic acids. <i>6001 Chemical Abstracts</i> , XP002194816, 69(25) (1968)
B13	Kennedy et al. Asymmetric Synthesis of Non-Natural Homologues of Lysine. <i>Bioorganic &amp; Medicinal Chem. Ltrs.</i> , 7(14):1937-1940 (1997)
B14	Kennedy et al. Design rationale, synthesis, and characterization of non-natural analogs of the cationic amino acids arginine and lysine. <i>J. Peptide Res.</i> , 55(4):348-358 (2000)
B15	Lundquist and Dix. Synthesis and Human Neuropeptide Receptor Binding Activities of Neuropeptide(8-13) Analogs Containing Position 8 α-Azido-N-alkylated Derivatives of Ornithine, Lysine, and Homolysine. <i>J. Med. Chem.</i> , 42:4914-4918 (1999)
B16	Moore et al. N <sup>ε</sup> , N <sup>ε</sup> -Dimethyl-lysine cytochrome c as an NMR probe for lysine involvement in protein-protein complex formation. <i>Biochem. J.</i> , 332:439-449 (1998)
B17	Porcelli et al. A Kinetic Analysis of γ-Aminobutyrate Aminotransferase in Presence and Absence of Inhibitors. <i>Ber. Bunsenges. Phys. Chem.</i> , 100(5):671-679 (1996)

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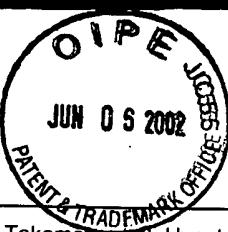
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	B18	Takemoto et al. Hypotensive Constituents of Marine Algae - (I) Basic Amino Acid, Laminine, and the Basic Constituents Isolated from Laminaria Augustata (II) Synthesis of Laminine and Related Compounds, <i>Chemical Abstracts Service</i> , Database Accession No. CA62:7858e/AN, CAOLD, XP002194818, 84(12):1176-1182 (1964)
	B19	Tsuzuki et al. Synthesis of [ <sup>2</sup> H <sub>9</sub> ]- and [ <sup>2</sup> H <sub>6</sub> ]-Lysines. <i>J. Chem. Res.</i> , S:412-413 (1996)
EXAMINER:		DATE CONSIDERED:
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		